

PAT-NO: JP411193452A
DOCUMENT-IDENTIFIER: JP 11193452 A
TITLE: PRODUCTION OF HOT DIP ZINC-MAGNESIUM-ALUMINUM
STEEL SHEET, AND HOT DIPPING BATH AND HOT DIP
ZINC-MAGNESIUM -ALUMINUM COATED STEEL SHEET
PUBN-DATE: July 21, 1999

INVENTOR-INFORMATION:

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APPL-NO: JP10000047
APPL-DATE: January 5, 1998

INT-CL (IPC): C23C002/06, C23C002/12

ABSTRACT:

PROBLEM TO BE SOLVED: To reduce the formation of dross in a hot dipping bath and to provide a hot dip Zn-Mg-Al coated steel sheet where external appearance of plating and corrosion resistance are secured.

SOLUTION: Hot dipping is performed by using a hot dipping bath having a composition consisting of, by weight, 0.1-30% Mg, 0.1-70% Al, and the balance essentially Zn with inevitable impurities. This hot dipping bath is prepared by melting Al in a molten Zn bath and then melting at least one kind selected from the group consisting of Mg, Mg-Zn alloys, and Mg-Zn-Al alloys in it.

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